

CP-705

Vinyl Chloride and Vinyl Acetate Copolymer

Product Description

CP-705 is a high molecular weight copolymer comprised of approximately 95% vinyl chloride and 5% of vinyl acetate. It is supplied as a powder.

Applications

Typical application for CP705 :

- Floor tile
- Rigid PVC Sheet
- Industrial Coatings

Properties

Properties	Unit	Value	Test methods
Molecular weight (Mw)	-	68,600	GPC
Degree of polymerization	-	700±50	JIS K-6720-2
K-value	-	58	-
VAM content	wt%	5.5 ± 1	Hanwha –method
Bulk Density	g/cm ³	0.56 ± 0.07	JIS K-6720-2
Volatile content	%	Max.4.0	JIS K-6720-2
Glass transition temperature (Tg)	°C	79	DSC
Particle size distribution	%	100	42mesh pass
Viscosity (MEK/Tol=1/1) •Resin 10% •Resin 20%	cPs	470 140,000	Brookfield Viscometer

Processing

CP-705 can be easily controlled even at a low temperature while having good properties for the heat stability, abrasion, chemical and water resistance. CP-705 is well compatible with pigment and filler through general type of PVC process way like as calendaring, extruding and injection molding.

Also CP-705 can be dissolved into Organic Solvent in excellent conditions and show good in the properties especially of adhesive and gloss. CP-705 usually applied to the Ink, Coatings and Paints through its excellent solubility into the Ketone type of solvent with the diluent of Aromatic Hydrocarbon, a chain of Toluene. CP-705 is recommended to use under below 15% solid contents level due to the high viscosity led by relatively higher Molecular Weight and low Vinyl Acetate contents.

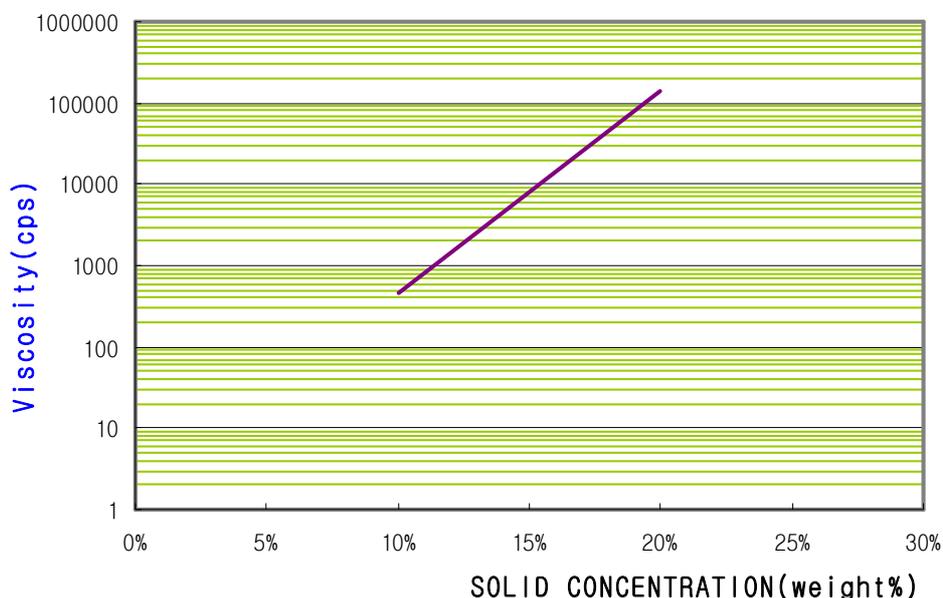
CP-705 has excellent compatibility with the bunch of polymers like as Acrylic, Ketone and Epoxy resins as well as Vinyl resin and is recommended to use blending purpose.

Formulation for Floor Tile

<i>Material</i>	<i>Phr</i>
CP-705	100
DOP	30~40
TLS(monohydrous Tribasic Lead Sulfate, 3PbO.PbSO ₄ .H ₂ O)	3
DBL(Dibasic Lead Stearate, 2PbO.Pb(C ₁₇ H ₃₅ COO) ₂)	0.5
Pb-st	1
Rosin	10
Filler(Calcium Carbonate)	400~600
Pigment	Optional

Solution Viscosity

SOLUTION VISCOSITY(cps) OF CP-705
in MEK/Toluene(50/50) at 25°C



The information given herein and other otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can effect the use of these products, users must rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

Storage

Store CP-705 under dry conditions and at room temperature below 25°C. Under these conditions, the product has a shelf life of at least one year, from the delivery date. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but the user should perform a quality control on the properties relevant to the application. The properties determined in our prerelease quality control may change during storage, depending on storage conditions, and deviate from the specification.

Safety and Handling

The Hanwha Chemical Corporation provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, use and transportation. Hanwha Chemical Corporation strongly encourage its customers to review MSDS on its products and other materials prior to their use.

CP-705 is normally supplied as a power in 25kg polypropylene inner coated paper bag or 500kg Flecon Bag.

CP-710 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury, and chromium compounds. And Hanwha Chemical corporation guarantee that CP-710 do not include any hazardous or regulated materials during the manufacturing process.

Properties

Further information and recommendations for processing can be obtained from our technical support staff and representatives.

The data and recommendations contained in this brochure represent the current state of our knowledge and serve as a guide only to our products and their potential applications. Therefore, no warranty of specific properties of the products mentioned herein nor of their suitability or fitness for a particular purpose is implied.

The information given in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control.